

### **ABSTRACT**

**The invention relates to a new self-locking carbon adsorbent comprising a carbon nanohorn aggregate provided with an opening in the wall part thereof,**  
5 **wherein a substance to be adsorbed passes through the opening in one limited direction from the outside to inside of the carbon nanohorn in isothermal or isobaric adsorption, whereby the self-blocking carbon adsorbent is made to be useful, for example, for storing methane gas and can store various gases at room temperature at a high density.**